



GUAM ENVIRONMENTAL PROTECTION AGENCY • *AHENSIAŇ PRUTEKSIÓN LINA'LA' GUÁHAN*
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REQUIRED NOTATION TEXT FOR ALL CONSTRUCTION DRAWINGS SUBMITTED IN SUPPORT OF GUAM BUILDING PERMIT APPLICATIONS

Pursuant to the Guam Safe Drinking Water Act 22 GAR §6141.43(d), no building permit shall be approved by Guam EPA unless written instructions are provided on the construction drawings submitted with the application including, at a minimum, the following text:

22 GAR §6141.43(c): Certified lead-free materials must be used. All materials used in the construction of any public water system, public water system component, or any plumbing in a residential or nonresidential facility providing water for human consumption, must be lead-free. To meet this requirement, only products that have been independently certified as lead-free under at least one of the following standards may be used: NSF/ANSI Standard 372; NSF/ANSI Standard 61, Annex G; California HB AB1953, Section 116875; or ASME A112.18.1-2012/CSA B125.1-12.

- (1) Exemptions. The certification requirements in this Section shall not apply to:
 - (A) pipes, pipe fittings, plumbing fittings, or fixtures, including backflow preventers, that are used exclusively for nonpotable services such as manufacturing, industrial processing, irrigation, outdoor watering, or any other uses where the water is not anticipated to be used for human consumption; or
 - (B) toilets, bidets, urinals, fill valves, flushometer valves, tub fillers, shower valves, service saddles, or water distribution main gate valves that are two (2) inches in diameter or larger.

22 GAR §6141.43(e): Building occupancy permits. No public water system, public water system component, or residential or nonresidential facility which includes plumbing that provides or may provide water for human consumption shall receive an occupancy permit, unless evidence is submitted to and approved by Guam EPA that all pipes, pipe fittings, plumbing fittings, or fixtures upstream of and including all endpoint devices are lead-free. Acceptable evidence shall be in one of the following forms:

- (1) Lead sampling results that are 0.015 milligrams per liter (“mg/L”) or less from first draw samples collected from all required endpoint devices; or
- (2) Original product packaging or approved on-product markings, verified through inspection by Guam EPA staff, identifying each pipe, pipe fitting, plumbing fitting, or

fixture upstream of and including each endpoint device as having been independently certified as lead-free under at least one (1) of the standards referenced in Subsection (c) of this Section.

22 GAR §6141.43 (f) Lead-free compliance sampling. All sampling conducted for determining compliance with this section shall comply with the following requirements. These sampling requirements shall apply to newly constructed facilities, as well as additions to and renovations of these same facilities.

(1) Number of samples collected. All new buildings, additions and renovations, prior to receiving occupancy permits, shall have a representative sample (first draw sample – see Subparagraph (f)(2)) collected from applicable endpoint devices tested for concentration of lead. The number of endpoint devices to be tested shall be as follows:

(A) Buildings with less than five (5) endpoint devices – all devices shall be tested.

(B) Buildings with five (5) or more endpoint devices – five (5) devices plus ten percent (10%) of the total numbers of endpoint fitting/fixtures shall be tested; however, no building shall have less than five (5) endpoint devices tested. Endpoint devices used primarily for drinking water supply and cooking, i.e., water fountains, coolers, kitchen faucets, shall be selected as first priority; other devices, bathroom faucets, etc. shall be selected as second priority.

(C) In the case of new, as well as additions and renovations of daycare centers, schools, and health care facilities - all endpoint devices in the facility shall be tested.

(2) First Draw Samples. All samples collected for determining compliance with this section shall be first draw samples. “First draw sample” means a one-liter sample of tap water, collected in accordance with 40 CFR 141.86(b)(2), as adopted under § 6141.86 of this Chapter, that has been standing in plumbing pipes at least six (6) hours and is collected without flushing the tap. Failure to follow this instruction may result in cancellation of sampling, the sample results being invalidated, and/or enforcement action up to and including administrative and civil penalties, or criminal penalties if it is determined by Guam EPA that flushing was performed intentionally for the purpose of altering sampling results. It is recommended that water not be allowed to sit in pipes and endpoint devices for more than twenty-four (24) hours prior to sampling.

(3) Samplers must be approved. All sampling conducted for compliance with this section must be performed by approved Guam EPA personnel, or samplers certified by Guam EPA in accordance with paragraph (i) (reserved) of this Section. Sample results from samples taken by non-approved persons will not be accepted.

(4) Certified Laboratories. For the purpose of determining compliance with the requirements of this Section, sample results will be accepted from a laboratory specifically certified by Guam EPA for the analytes and methods used.